

Contents of volume 32**Number 1, 1 January 1991**

Announcement from the Publisher	v
Effects of helodermin and VIP on insulin and glucagon secretion in the mouse <i>B. Ahrén and B. Falck (Sweden)</i>	1
Circulating endothelin influences area postrema neurons <i>A. V. Ferguson and P. Smith (Canada)</i>	11
Multiple subtypes of endothelin receptors in porcine tissues: characterization by ligand binding, affinity labeling and regional distribution <i>R. Takayanagi, K. Ohnaka, C. Takasaki, M. Ohashi and H. Nawata (Japan)</i>	23
Rhesus monkey gastroenteropancreatic hormones: relationship to human sequences <i>J. Yu, Y. Xin, J. Eng and R. S. Yalow (U.S.A.)</i>	39
Pancreatectomy, amino acids and glucagon: effect on canine renal autoregulation <i>A. J. Premen and D. A. Powell (U.S.A.)</i>	47
Announcements	63

Number 2, 1 February 1991

Announcement from the Publisher	iii
Influence of gastric inhibitory polypeptide (GIP) and glucose on the regulation of glucagon secretion by pancreatic alpha cells <i>E. C. Opata and V. L. W. Go (U.S.A.)</i>	65
Ontogeny of two topologically distinct TRH-degrading pyroglutamate aminopeptidase activities in the rat liver <i>R. Scharfmann and S. Aratan-Spire (France)</i>	75
Effect of erythromycin and of octreotide on motilin receptor density in the rabbit <i>I. Depoortere, T. L. Peeters and G. Vantrappen (Belgium)</i>	85
Enkephalin immunoreactivity in ganglionic cells in the larynx and superior cervical ganglion of the rat <i>S. Domeij, Å. Dahlqvist and S. Forsgren (Sweden)</i>	95
Regulatory peptide and serotonin content and brush-border enzyme activity in the rat gastrointestinal tract following neonatal treatment with capsaicin; lack of effect on epithelial markers <i>G. P. McGregor and J. M. Conlon (F.R.G.)</i>	109
Pertussis toxin blocks the dipsogenic actions of carbachol, but does not block the dipsogenic and pressor actions of angiotensin II <i>R. C. Speth and K. L. Grove (U.S.A.)</i>	121
Immunomodulatory activities of the somatostatin analogue BIM 23014c: effects on murine lymphocyte proliferation and natural killer activity <i>A. Agro, I. Padol and A. M. Stanis (Canada)</i>	129

Contents of volume 32**Number 1, 1 January 1991**

Announcement from the Publisher	v
Effects of helodermin and VIP on insulin and glucagon secretion in the mouse <i>B. Ahrén and B. Falck (Sweden)</i>	1
Circulating endothelin influences area postrema neurons <i>A. V. Ferguson and P. Smith (Canada)</i>	11
Multiple subtypes of endothelin receptors in porcine tissues: characterization by ligand binding, affinity labeling and regional distribution <i>R. Takayanagi, K. Ohnaka, C. Takasaki, M. Ohashi and H. Nawata (Japan)</i>	23
Rhesus monkey gastroenteropancreatic hormones: relationship to human sequences <i>J. Yu, Y. Xin, J. Eng and R. S. Yalow (U.S.A.)</i>	39
Pancreatectomy, amino acids and glucagon: effect on canine renal autoregulation <i>A. J. Premen and D. A. Powell (U.S.A.)</i>	47
Announcements	63

Number 2, 1 February 1991

Announcement from the Publisher	iii
Influence of gastric inhibitory polypeptide (GIP) and glucose on the regulation of glucagon secretion by pancreatic alpha cells <i>E. C. Opata and V. L. W. Go (U.S.A.)</i>	65
Ontogeny of two topologically distinct TRH-degrading pyroglutamate aminopeptidase activities in the rat liver <i>R. Scharfmann and S. Aratan-Spire (France)</i>	75
Effect of erythromycin and of octreotide on motilin receptor density in the rabbit <i>I. Depoortere, T. L. Peeters and G. Vantrappen (Belgium)</i>	85
Enkephalin immunoreactivity in ganglionic cells in the larynx and superior cervical ganglion of the rat <i>S. Domeij, Å. Dahlqvist and S. Forsgren (Sweden)</i>	95
Regulatory peptide and serotonin content and brush-border enzyme activity in the rat gastrointestinal tract following neonatal treatment with capsaicin; lack of effect on epithelial markers <i>G. P. McGregor and J. M. Conlon (F.R.G.)</i>	109
Pertussis toxin blocks the dipsogenic actions of carbachol, but does not block the dipsogenic and pressor actions of angiotensin II <i>R. C. Speth and K. L. Grove (U.S.A.)</i>	121
Immunomodulatory activities of the somatostatin analogue BIM 23014c: effects on murine lymphocyte proliferation and natural killer activity <i>A. Agro, I. Padol and A. M. Stanis (Canada)</i>	129

Peptide-containing nerve fibers in the fungiform papillae of pigs and rats <i>Ph. Montavon, K. Lindstrand, A. Luts and F. Sundler (Switzerland, Sweden)</i>	141
Functional and molecular characterization of CCK receptors in the rat pancreatic acinar cell line AR 4-2J <i>M. Lambert, N. Diem Bui and J. Christophe (Belgium)</i>	151
Purification and amino acid sequence of vasoactive intestinal peptide, peptide histidine isoleucinamide and secretin from the ovine small intestine <i>Y. Bounjoua, A. Vandermeers, P. Robberecht, M.-C. Vandermeers-Piret and J. Christophe (Belgium)</i>	169
Release of ileal neurotensin in the rat neurotransmitters and neuropeptides <i>C. Herrmann, J.-C. Cuber, J. Abello, T. Dakka, C. Bernard and J.-A. Chayvialle (France)</i>	181
Alterations in regional brain neurotensin concentrations produced by atypical antipsychotic drugs <i>B. Levant, G. Bissette, E. Widerlöv and C. B. Nemeroff (U.S.A., Sweden)</i>	193
Role of salivary glands and epidermal growth factor (EGF) in gastric secretion and mucosal integrity in rats exposed to stress <i>S. J. Konturek, T. Brzozowski, P. K. Konturek, J. Majka and A. Dembiński (Poland)</i>	203
Responses of the rat pituitary-adrenal axis to hypotensive infusions of corticotropin-releasing factor, vasoactive intestinal peptide and other depressor agents <i>F. P. Pralong, R. Corder and R. C. Gaillard (Switzerland)</i>	217
Effect of prolonged administration of long-acting somatostatin on caerulein, CCK-8 and GRP induced pancreatic growth in the rat <i>A. Hajri, M. Aprahamian and C. Damgé (France)</i>	227
Announcements	239

Number 3, 26 February 1991

Announcement from the Publisher	iii
Characterization of the murine pancreatic receptor for gastrin releasing peptide and bombesin <i>B. O. Fanger, A. C. Wade and A. D. Cardin (U.S.A.)</i>	241
Endothelin as a putative sensory neuropeptide in the guinea-pig: different properties in comparison with calcitonin gene-related peptide <i>A. Franco-Cereceda, M. Rydh, Y.-P. Lou, C.-J. Dalsgaard and J. M. Lundberg (Sweden)</i>	253
Further characterization of the in vitro hydrolysis of [Leu]- and [Met]enkephalin in rat plasma: HPLC-ECD measurement of substrate and metabolite concentrations <i>S. Shibasaki, S. B. Weinberger, K. Ishikawa and J. L. Martinez, Jr. (Japan, U.S.A.)</i>	267
Increased plasma levels of neuropeptide Y-like immunoreactivity and catecholamines in severe hypertension remain after treatment to normotension in man <i>L. Edvinsson, R. Ekman and T. Thulin (Sweden)</i>	279
Selective time-dependent effects of insulin on brain phosphoinositide metabolism <i>R. E. Catalán, A. M. Martínez, M. D. Aragonés and B. G. Miguel (Spain)</i>	289

Roles of neuropeptide Y and noradrenaline in sympathetic neurotransmission to the thoracic vena cava and aorta of guinea-pigs <i>J. L. Morris (Australia)</i>	297
Diagnostic relevance of the amino-terminal cleavage peptide of procalcitonin (PAS-57), calcitonin and calcitonin gene-related peptide in medullary thyroid carcinoma patients <i>W. Born, C. Beglinger and J. A. Fischer (Switzerland)</i>	311
Stimulation of rat adrenal medulla can induce differential changes in the peptide and mRNA levels of chromogranins, neuropeptides and other constituents of chromaffin granules <i>G. Höfle, R. Weiler, R. Fischer-Colbrie, C. Humpel, A. Laslop, T. Wohlfarter, R. Hogue-Angeletti, A. Saria, P. J. Fleming and H. Winkler (Austria, U.S.A.)</i>	321
Role of cholecystokinin in the control of gastric somatostatin in the rat: in vivo and in vitro studies <i>R. Eissele, I. Koop, M. Schaar, H. Koop and R. Arnold (F.R.G.)</i>	333
CCK stimulates growth of six human pancreatic cancer cell lines in serum-free medium <i>J. Palmer Smith, S. T. Kramer and T. E. Solomon (U.S.A.)</i>	341
Somatostatin inhibits pepsinogen secretion via a cyclic AMP-independent pathway <i>J. C. Fong, S.-J. Hong and F.-F. Wang (Taiwan, Republic of China)</i>	351
Effect of the specific cholecystokinin-receptor antagonist loxiglumide on bombesin stimulated pancreatic enzyme secretion in man <i>M. C. W. Jebbink, J. B. M. J. Jansen, D. M. Mooy, L. C. Rovati and C. B. H. W. Lamers (The Netherlands, Italy)</i>	361
Galanin induces contraction of isolated cells from circular muscle layer of pig ileum <i>M. Delvaux, A. Botella, J. Fioramonti, J. Frexinos and L. Bueno (France)</i>	369
Announcements	375
Author index	377
Key word index	380

